Total Number of Pages in This Submission	TC) to Board ences to TC ply Brief)
Fee Transmittal Form    Fee Attached	TC) to Board ences to TC ply Brief)
	ase
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name  Signature  Date  12/18/2003  CERTIFICATE OF TRANSMISSION/MAILING  I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Posta sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22 the date shown below.	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE er the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Attorney Docket Number

Substitute for form 1449/PTO

Sheet

Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number	10/716332	
Filing Date		
First Named Inventor	JONG PETER PARK	
Art Unit		
Evaminar Nama		

			U. S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.1	2 (K known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	ļ — ·	Number-Kind Code <sup>2 (V known)</sup>			Figures Appear
	1	<sup>US-</sup> 4661672	04/28/1987	Nakanaga	
	2	<sup>US-</sup> 4943439	07/24/1990	Andres et al.	
	3	<sup>US-</sup> 5151568	09/29/1992	Rippley	
	4	<sup>US-</sup> 5714740	02/03/1998	Kelly et al.	
	5	<sup>US-</sup> 3941967	03/02/1976	Sumi et al.	
	6	<sup>US-</sup> 4703149	10/27/1987	Sugisawa et al.	
	7	<sup>US-</sup> 4713510	12/15/1987	Quick et al.	
	8	<sup>US-</sup> 5493103	02/201996	Kuhn	
	9	<sup>US-</sup> 4369346	01/18/1983	Hart et al.	
	10	<sup>US-</sup> 4496815	01/29/1985	Jorgensen	
		US-			
	<del>                                     </del>	US.	<b></b>	<del>                                     </del>	<u> </u>

Cite					
No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	1
					Ļ
					Ļ
					L
			481-		Ļ
					L
			MM-DD-YYYY	MM-DD-YYYY	MM-DD-YYYYY Or Relevant Figures Appear

Examiner	Date	
Signature	Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.